

Figure 1. MALDI MS reveals the incorporation of -OH functional group on one end of HT-PHT

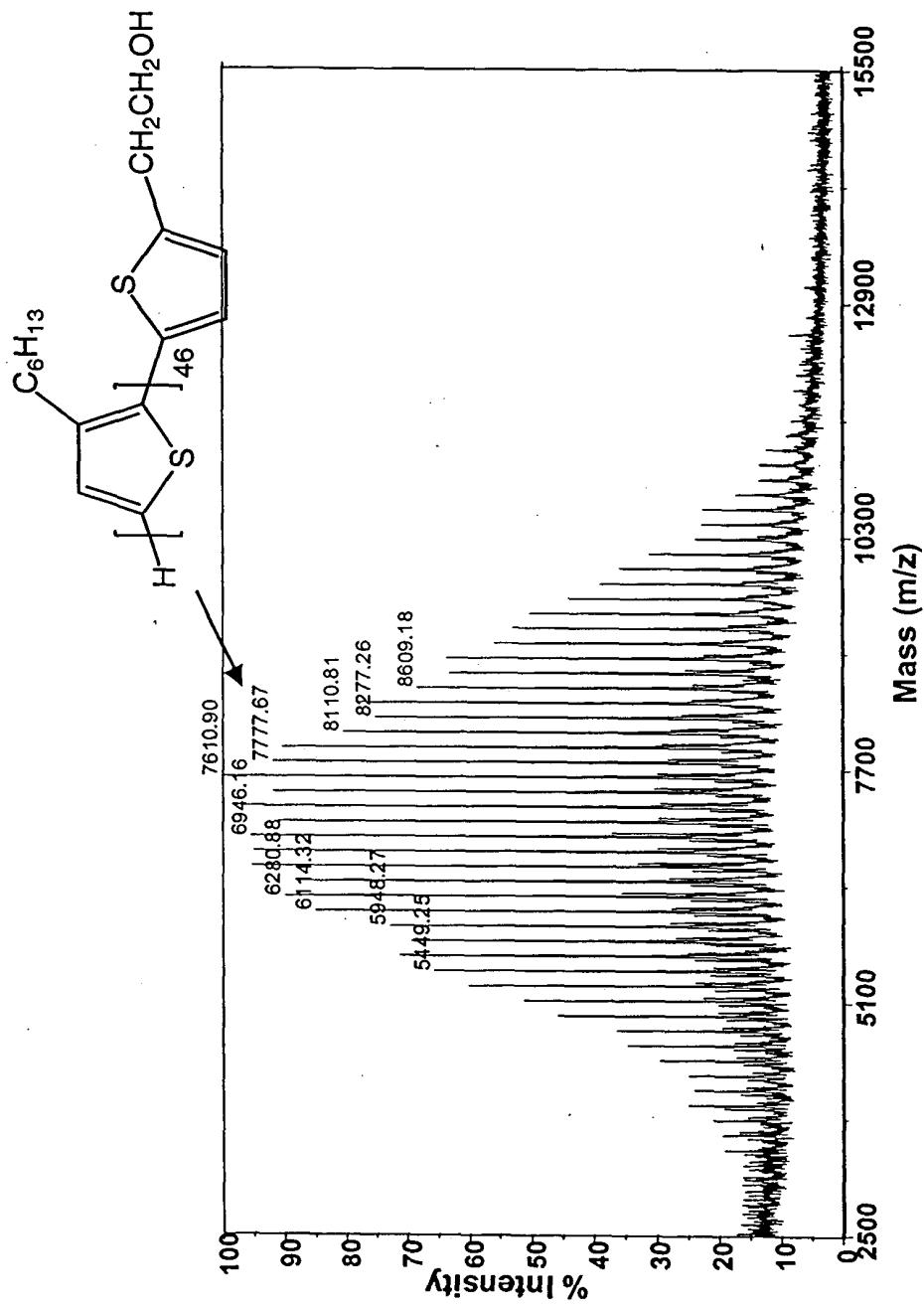


Figure 2. NMR confirms the incorporation of the -OH functional group on one end of HT-PHT

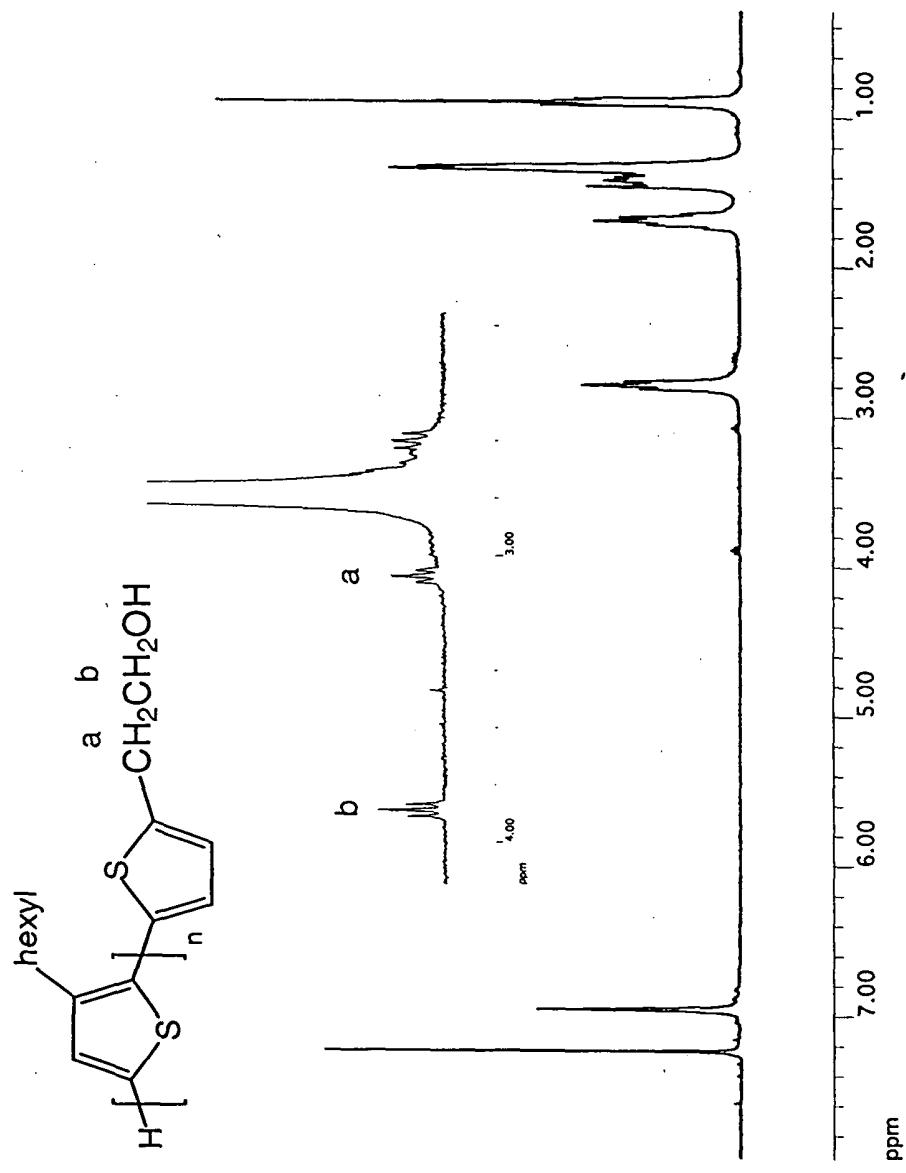
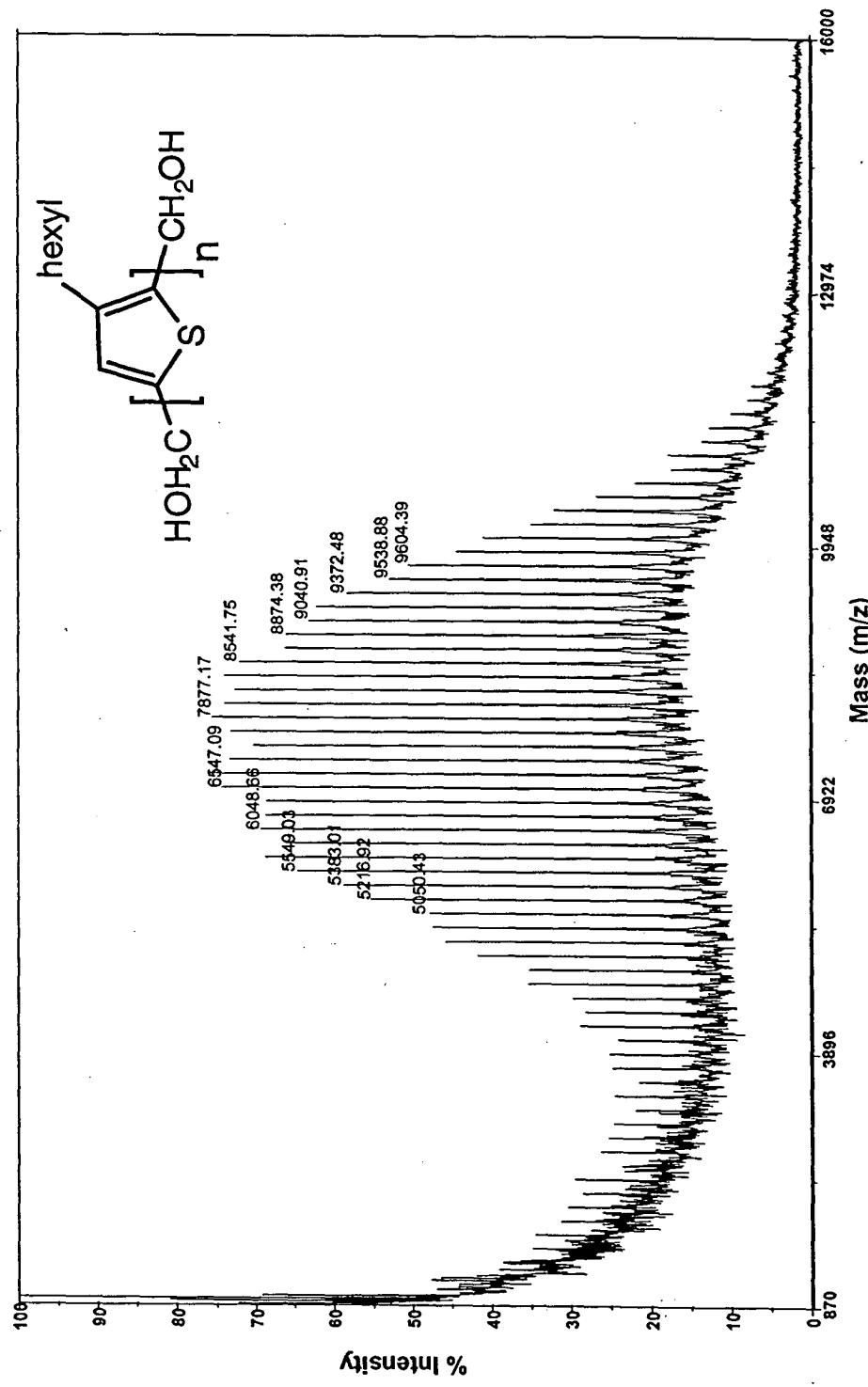
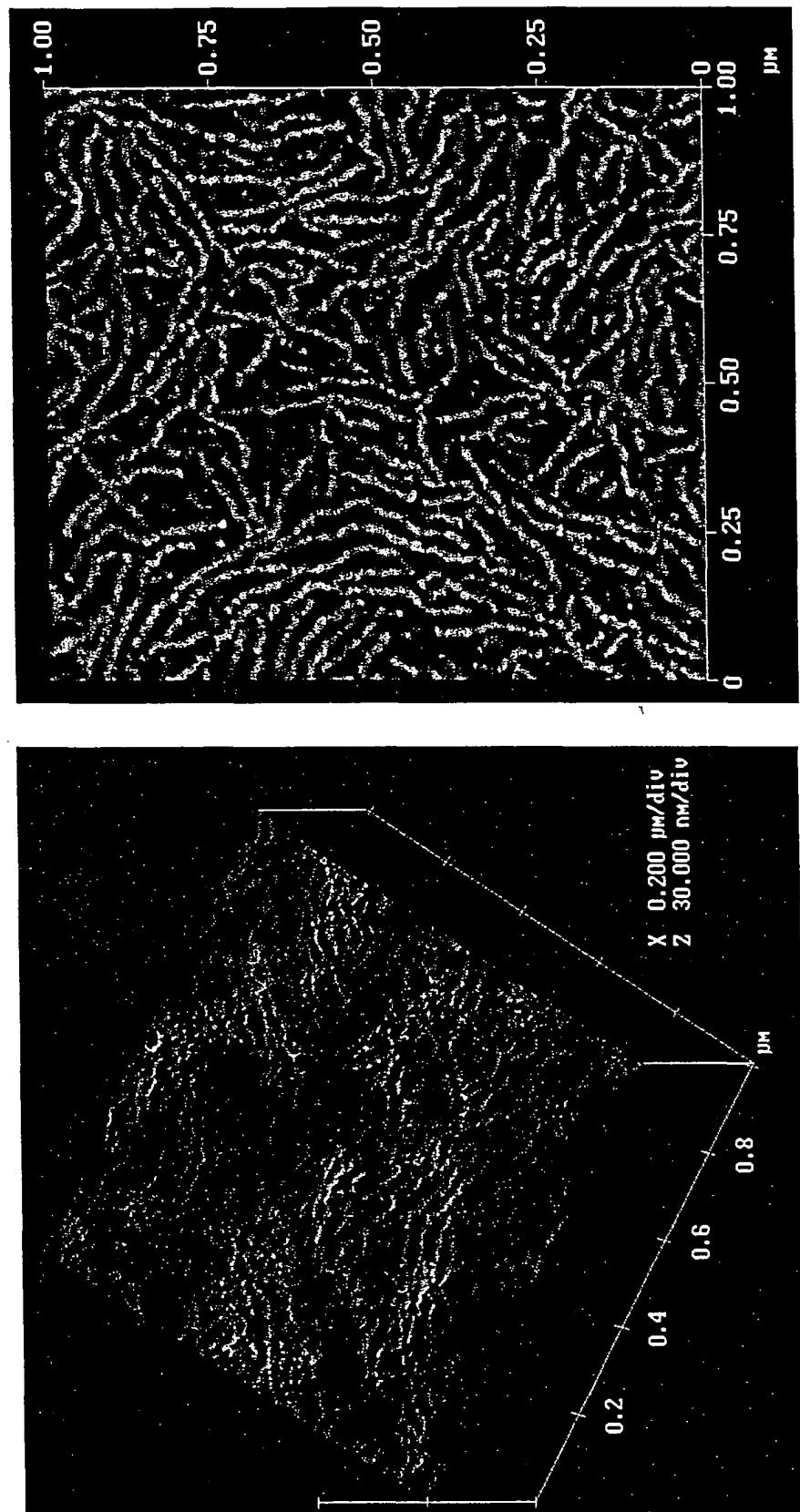


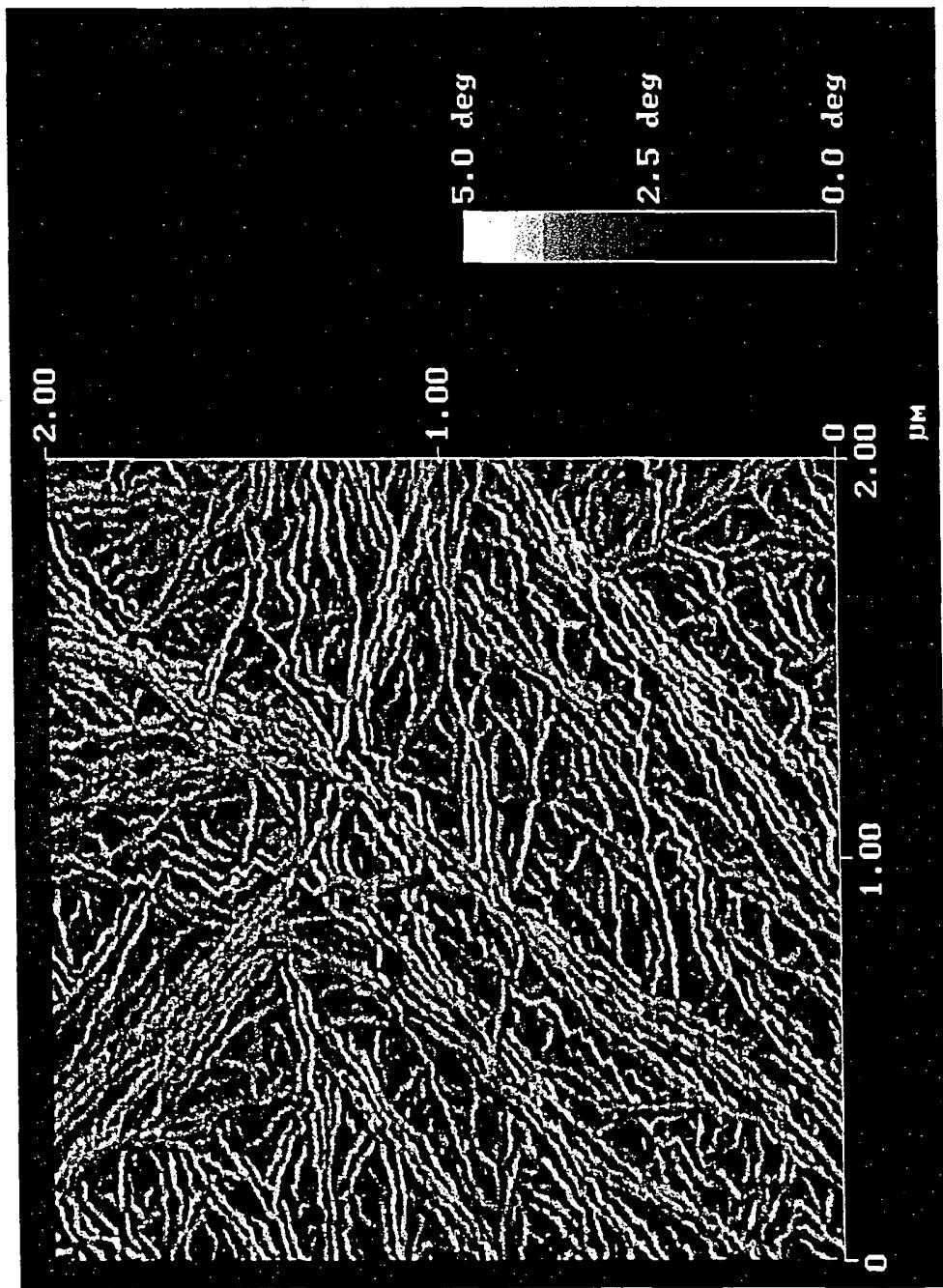
Figure 3. MALDI MS reveals the obtaining of HT-PHT diol



**Figure 4.** AFM reveals the present of “nano-wire” network in the solid films of a HT-PHT-block-PS diblock copolymer



**Figure 5.** AFM reveals the present of “nano-wire” network in the solid film of a HT-PHT-block-PMA diblock copolymer



**Figure 6.** TEM confirms the present of “nano-wire” network in the solid film of a HT-PHT-block-PMA diblock copolymer

